BRUHAT BENGALURU MAHANAGARA PALIKE, YELAHANKA DIVISION

Bruhat Bengaluru Mahanagara Palike

Name of Work :- Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division

(PACKAGE NO-11)

EMB

"THIRD AND FINAL BILL"

BRUHAT BENGALURU MAHANAGARA PALIKE, YELAHANKA DIVISION

Bruhat Bengaluru Mahanagara Palike

Name of Work :- Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division

(PACKAGE NO-11)

PRE-MEASUREMENT SHEETS

"THIRD AND FINAL BILL"

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On: 30/5/22 & 21/5/22.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead.						
				Previous Qunatity		9037.56	
	Vaderahalli Road Balance Portion						
	CH: 402.00 to 406.00	1	4.00	(8.70 + 8.70)/2	0.40	13.92	
	CH: 406.00 to 418.20	1	12.20	(6.60 + 6.50)/2	0.40	31.96	
	Deduct Drain	-1	10.00	(0.75 + 0.75)/2	0.40	-3.00	
	Kempanahalli Main Road						
	CH: 00.00 to 30.00 m	1	30.00	(25.40 + 11.30)/2	0.30	165.15	
	CH: 30.00 to 38.00m	1	8.00	(11.30 + 10.80)/2	0.30	26.52	
	CH: 38.00 to 60.00 m	1	22.00	(8.90 + 8.50)/2	0.30	57.42	
	CH: 60.00 to 90.00 m	1	30.00	(8.50 + 8.20)/2	0.30	75.15	
	CH: 90.00 to 120.00 m	1	30.00	(8.20 + 8.00)/2	0.30	72.90	
	CH: 120.00 to 150.00 m	1	30.00	(8.00 + 8.20)/2	0.30	72.90	
	CH: 150.00 to 180.00 m	1	30.00	(8.20 + 7.45)/2	0.30	70.43	
	CH: 180.00 to 210.00 m	1	30.00	(7.45 + 7.60)/2	0.30	67.73	
	CH: 210.00 to 240.00 m	1	30.00	(7.60 + 8.00)/2	0.30	70.20	
	CH: 240.00 to 270.00 m	1	30.00	(8.00 + 8.80)/2	0.30	75.60	
	CH: 270.00 to 300.00 m	1	30.00	(8.80 + 7.60)/2	0.30	73.80	
	CH: 300.00 to 330.00 m	1	30.00	(7.60 + 8.10)/2	0.30	70.65	
	CH: 330.00 to 360.00 m	1	30.00	(8.10 + 8.40)/2	0.30	74.25	
	CH: 360.00 to 390.00 m	1	30.00	(8.40 + 8.80)/2	0.30	77.40	
	CH: 390.00 to 420.00 m	1	30.00	(8.80 + 8.40)/2	0.30	77.40	
	CH: 420.00 to 450.00 m	1	30.00	(8.40 + 7.90)/2	0.30	73.35	
	CH: 450.00 to 480.00 m	1	30.00	(7.90 + 7.50)/2	0.30	69.30	
	CH: 480.00 to 510.00 m	1	30.00	(7.50 + 7.50)/2	0.30	67.50	
	CH: 510.00 to 540.00 m	1	30.00	(7.50 + 8.30)/2	0.40	94.80	
	CH: 540.00 to 570.00 m	1	30.00	(8.80 + 8.80)/2	0.40	105.60	

SHRIYA CONSULTANCY ★ CONSTRUCTION AND

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	Road 1								
	CH: 00.00 to 30.00 m	1	30.00	5.90	+ 2	5.90	0.40	70.80	
	CH: 30.00 to 35.00 m	1	5.00	5.90	+ 2	5.90	0.40	11.80	
	Road 2								
	CH: 00.00 to 30.00 m	1	30.00	5.90	+ 2	5.90	0.40	70.80	
	CH: 30.00 to 44.00 m 41.00 m	1	~~44.00~~	6.60	+ 2	6.60	0.40	~~36.96~~ 41.04	
	Road 3								
	CH: 00.00 to 26.00 m	1	26.00	5.60	+ 2	5.60	0.40	58.24	
	Road 4								
	CH: 00.00 to 30.00 m	1	30.00	6.20	+ 2	6.20	0.40	74.40	
	CH: 30.00 to 32.00 m	1	2.00	6.20	+ 2	6.20	0.40	4.96	
							Present Qty	5396.48	CUM

5388.52

Halappa.C
Contractor

SHRIYA CONSULTANCY & CONSTRUCTION AND PMC

Assistant Engineer

Asst Executive Engineer

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On: 30/5/22 & 21/5/22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
2	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.						
				Previous Qunatity		24231.62	
	CC Roads						
	Vaderahalli Road						
	CH: 402.00 to 406.00	1	4.00	(8.70 + 8.70)/2		34.80	
	CH: 406.00 to 418.20	1	12.20	(6.60 + 6.50)/2		79.91	
	Deduct Drain	-1	10.00	(0.75 + 0.75)/2		-7.50	
	Kempanahalli Main Road						
	CH: 00.00 to 30.00 m	1	30.00	(25.40 + 11.30)/2		550.50	
	CH: 30.00 to 38.00m	1	8.00	(11.30 + 10.80)/2		88.40	
	CH: 38.00 to 60.00 m	1	22.00	(8.90 + 8.50)/2		191.40	
	CH: 60.00 to 90.00 m	1	30.00	(8.50 + 8.20)/2		250.50	
	CH: 90.00 to 120.00 m	1	30.00	(8.20 + 8.00)/2		243.00	
	CH: 120.00 to 150.00 m	1	30.00	(8.00 + 8.20)/2		243.00	
	CH: 150.00 to 180.00 m	1	30.00	(8.20 + 7.45)/2		234.75	
	CH: 180.00 to 210.00 m	1	30.00	(7.45 + 7.60)/2		225.75	
	CH: 210.00 to 240.00 m	1	30.00	(7.60 + 8.00)/2		234.00	
	CH: 240.00 to 270.00 m	1	30.00	(8.00 + 8.80)/2		252.00	
	CH: 270.00 to 300.00 m	1	30.00	(8.80 + 7.60)/2		246.00	
	CH: 300.00 to 330.00 m	1	30.00	(7.60 + 8.10)/2		235.50	
	CH: 330.00 to 360.00 m	1	30.00	(8.10 + 8.40)/2		247.50	
	CH: 360.00 to 390.00 m	1	30.00	(8.40 + 8.80)/2		258.00	
	CH: 390.00 to 420.00 m	1	30.00	(8.80 + 8.40)/2		258.00	
	CH: 420.00 to 450.00 m	1	30.00	(8.40 + 7.90)/2		244.50	
	CH: 450.00 to 480.00 m	1	30.00	(7.90 + 7.50)/2		231.00	
	CH: 480.00 to 510.00 m	1	30.00	(7.50 + 7.50)/2		225.00	
	CH: 510.00 to 540.00 m	1	30.00	(7.50 + 8.30)/2		237.00	
	CH: 540.00 to 570.00 m	1	30.00	(8.80 + 8.80)/2		264.00	
	CH: 570.00 to 600.00 m	1	30.00	(8.80 + 8.50)/2		259.50	
	CH: 600.00 to 630.00 m	1	30.00	(8.50 + 8.20)/2		250.50	
	CH: 630.00 to 660.00 m	1	30.00	(8.20 + 8.50)/2		250.50	
	CH: 660.00 to 690.00 m	1	30.00	(8.50 + 8.50)/2		255.00	

SHRIYA CONSULTANCY ★ CONSTRUCTION AND

	Road 4								
	CH: 00.00 to 30.00 m	1	30.00	6.20	+ 2	6.20		186.00	
	CH: 30.00 to 32.00 m	1	2.00	6.20	+ 2	6.20		12.40	
							Present Qty	14608.91	Sqm
								14586.11	

Halagappa-C.
Contractor

SHRIYA CONSTRUCTION AND CONSULTANCY PVT LTD

Assistant Engineer

Asst. Executive Engineer

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On: 2/6/22 & 30/6/22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
3	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision						
			Previous Qunatity			3634.74	
	Vaderahalli Road						
	CH: 402.00 to 406.00	1	4.00	(8.70 + 8.70)/2	0.15	5.22	
	CH: 406.00 to 418.20	1	12.20	(6.60 + 6.50)/2	0.15	11.99	
	Deduct Drain	-1	10.00	(0.75 + 0.75)/2	0.15	-1.13	
	Kempanahalli Main Road						
	CH: 00.00 to 30.00 m	1	30.00	(25.40 + 11.30)/2	0.15	82.58	
	CH: 30.00 to 38.00m	1	8.00	(11.30 + 10.80)/2	0.15	13.26	
	CH: 38.00 to 60.00 m	1	22.00	(8.90 + 8.50)/2	0.15	28.71	
	CH: 60.00 to 90.00 m	1	30.00	(8.50 + 8.20)/2	0.15	37.58	
	CH: 90.00 to 120.00 m	1	30.00	(8.20 + 8.00)/2	0.15	36.45	
	CH: 120.00 to 150.00 m	1	30.00	(8.00 + 8.20)/2	0.15	36.45	
	CH: 150.00 to 180.00 m	1	30.00	(8.20 + 7.45)/2	0.15	35.21	
	CH: 180.00 to 210.00 m	1	30.00	(7.45 + 7.60)/2	0.15	33.86	
	CH: 210.00 to 240.00 m	1	30.00	(7.60 + 8.00)/2	0.15	35.10	
	CH: 240.00 to 270.00 m	1	30.00	(8.00 + 8.80)/2	0.15	37.80	
	CH: 270.00 to 300.00 m	1	30.00	(8.80 + 7.60)/2	0.15	36.90	
	CH: 300.00 to 330.00 m	1	30.00	(7.60 + 8.10)/2	0.15	35.33	
	CH: 330.00 to 360.00	1	30.00	(8.10 + 8.40)/2	0.15	37.13	
	CH: 360.00 to 390.00 m	1	30.00	(8.40 + 8.80)/2	0.15	38.70	
	CH: 390.00 to 420.00 m	1	30.00	(8.80 + 8.40)/2	0.15	38.70	
	CH: 420.00 to 450.00 m	1	30.00	(8.40 + 7.90)/2	0.15	36.68	
	CH: 450.00 to 480.00 m	1	30.00	(7.90 + 7.50)/2	0.15	34.65	
	CH: 480.00 to 510.00 m	1	30.00	(7.50 + 7.50)/2	0.15	33.75	
	CH: 510.00 to 540.00 m	1	30.00	(7.50 + 8.30)/2	0.15	35.55	
	CH: 540.00 to 570.00 m	1	30.00	(8.80 + 8.80)/2	0.15	39.60	

SHRIYA CONSTRUCTION AND CONSULTANCY

	KrishnamNagara, Sadguru Layout								
	Road 1								
	CH: 00.00 to 30.00 m	1	30.00	5.90	+ 2	5.90	0.15	26.55	
	CH: 30.00 to 35.00 m	1	5.00	5.90	+ 2	5.90	0.15	4.43	
	Road 2								
	CH: 00.00 to 30.00 m	1	30.00	5.90	+ 2	5.90	0.15	26.55	
	CH: 30.00 to 44.00 m 41.00 M	1	14.00 11.00	6.60	+ 2	6.60	0.15	13.86	10.89
	Road 3								
	CH: 00.00 to 26.00 m	1	26.00	5.60	+ 2	5.60	0.15	21.84	
	Road 4								
	CH: 00.00 to 30.00 m		30.00	6.20	+ 2	6.20	0.15	27.90	
	CH: 30.00 to 32.00		2.00	6.20	+ 2	6.20	0.15	1.86	
							Present Qty	2190.89	Cum

2187.92

Halguru.C.
Contractor

SHRIYA CONSTRUCTION AND CONSULTANCY PMC

Assistant Engineer

Asst. Executive Engineer

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On: 6/6/22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	KSRRB M600-1 Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and 0.86cum and fine aggregate @0.58cum over a prepared sub-base,coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1 Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determind during trial length construction,concrete strength not be determinde during trial length costruction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,laid with a paver,compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per spectications. Clause 601 of MORTH V Revision and IS 456 Table-5 , with OPC at 150 kg/cum and coarse aggregate 0.86 cum,fine aggregate 0.58 cum using concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver						
			Previous Qunatity			1444.79	
	Doddabettahalli						
	In front of Temple						
	CH: 00.00 to 17.50 m	1	17.50	(5.00 + 4.75)/2	0.15	12.80	
	CH:17.50 to 29.20 m	1	11.70	(8.75 + 8.55)/2	0.15	15.18	
	Drinking Water, RO Plant						
	CH: 00.00 to 15.00 m	1	15.00	(7.20 + 5.10)/2	0.15	13.84	
	CH: 15.00 to 27.00 m	1	12.00	(5.10 + 4.00)/2	0.15	8.19	
	Temple Opposite Road						
	CH: 00.00 to 30.00 m	1	30.00	(5.80 + 3.50)/2	0.15	20.93	
	CH: 30.00 to 35.00 m	1	5.00	(3.50 + 3.50)/2	0.15	2.63	
	Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	(3.70 + 3.70)/2	0.15	16.65	
	CH: 30.00 to 41.00 m	1	11.00	(3.70 + 3.90)/2	0.15	6.27	
	Cross Road (End Road)						
	CH: 00.00 to 30.00 m	1	30.00	(3.40 + 3.40)/2	0.15	15.30	
	CH: 30.00 to 35.00 m	1	5.00	(3.40 + 3.30)/2	0.15	2.51	
	1st Cross Road - Narayanappa Layout RHS						
	CH: 00.00 to 30.00 m	1	30.00	(6.40 + 6.80)/2	0.15	29.70	
	CH: 30.00 to 58.00 m	1	28.00	(6.80 + 6.00)/2	0.15	26.88	
	In Front of Om Shakthi Provision Store						
	CH: 00.00 to 30.00 m	1	30.00	(5.00 + 5.10)/2	0.15	22.73	
	CH: 30.00 to 60.00 m	1	30.00	(5.10 + 4.60)/2	0.15	21.83	
	CH: 60.00 to 90.00 m	1	30.00	(4.60 + 4.50)/2	0.15	20.48	
	CH: 90.00 to 94.00 m	1	4.00	(4.50 + 4.50)/2	0.15	2.70	
	3rd Cross Road Channamma Narayanappa Layout						

238.62

SHRIYA CONSTRUCTION AND CONSULTANCY

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	CH: 30.00 to 32.00 m	1	2.00	6.20	+ 2	6.20	0.15	1.86	
							Present Qty	644.61	Cum
								644.64	

Halappa C.
Contractor

PMC
SHRIYA CONSULTANCY AND CONSTRUCTION

Assistant Engineer

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Asst. Executive Engineer

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On: 2/6/22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
7	KSRB 4-1.3 : Providing and laying in position plain cement concrete ofg Mix 1:4:8 with opc @180kgs, with 40mm and down size graded granite metal coarse aggregates@0.85 cum and fine aggregates @0.57 cum machine mixed , machine mixed, concrete laid in layers mot exceeding 15cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per Specifications.						
	Drain PCC		**Previous Qunatity**			242.25	
	Vaderahalli Drain RHS Side						
	CH: 402.5 to 406.1	1	3.60	0.90	0.15	0.49	
	After Culvert , to connect Existing Drain	1	3.70	0.90	0.15	0.50	
	Layout Near Basavalingappa Nagara						
	Road 1 LHS						
	CH: 7.50 to 30.00 m	1	22.50	0.90	0.15	3.04	
	CH: 30.00 to 60.00 m	1	30.00	0.90	0.15	4.05	
	CH: 60.00 to 90.00 m	1	30.00	0.90	0.15	4.05	
	CH: 90.00 to 120.00 m	1	30.00	0.90	0.15	4.05	
	CH: 120.00 to 150.00 m	1	30.00	0.90	0.15	4.05	
	CH: 150.00 to 174.30 m	1	24.30	0.90	0.15	3.28	
	Deduct Culvert	-1	6.00	0.90	0.15	-0.81	
	Road 1 RHS						
	CH: 0.00 to 30.00 m	1	30.00	0.90	0.15	4.05	
	CH: 30.00 to 60.00 m	1	30.00	0.90	0.15	4.05	
	CH: 60.00 to 90.00 m	1	30.00	0.90	0.15	4.05	
	CH: 90.00 to 120.00 m	1	30.00	0.90	0.15	4.05	
	CH: 120.00 to 150.00 m	1	30.00	0.90	0.15	4.05	
	CH: 150.00 to 174.30 m	1	24.30	0.90	0.15	3.28	
	Road 2 LHS						
	CH: 0.00 to 30.00 m	1	30.00	0.90	0.15	4.05	
	CH: 30.00 to 60.00 m	1	30.00	0.90	0.15	4.05	
	CH: 60.00 to 90.00 m	1	30.00	0.90	0.15	4.05	
	CH: 90.00 to 120.00 m	1	30.00	0.90	0.15	4.05	
	CH: 120.00 to 150.00 m	1	30.00	0.90	0.15	4.05	
	CH: 150.00 to 167.50	1	17.50	0.90	0.15	2.36	
	Road 2 RHS						
	CH: 0.00 to 30.00 m	1	30.00	0.90	0.15	4.05	
	CH: 30.00 to 60.00 m	1	30.00	0.90	0.15	4.05	
	CH: 60.00 to 90.00 m	1	30.00	0.90	0.15	4.05	
	CH: 90.00 to 120.00 m	1	30.00	0.90	0.15	4.05	
	CH: 120.00 to 150.00 m	1	30.00	0.90	0.15	4.05	
	CH: 150.00 to 165.50 m	1	16.50	0.90	0.15	2.23	
	Road 3 LHS						
	CH: 0.00 to 30.00 m	1	30.00	0.90	0.15	4.05	

96.18

SHRIYA CONSTRUCTION AND CONSULTANCY

	CH: 30.00 to 60.00 m	1	30.00	0.90	0.15	4.05	
	CH: 60.00 to 90.00 m	1	30.00	0.90	0.15	4.05	
	CH: 90.00 to 120.00 m	1	30.00	0.90	0.15	4.05	
	CH: 120.00 to 133.00 m	1	13.00	0.90	0.15	1.76	
	Road 3 RHS						
	CH: 0.00 to 30.00 m	1	30.00	0.90	0.15	4.05	
	CH: 30.00 to 60.00 m	1	30.00	0.90	0.15	4.05	
	CH: 60.00 to 90.00 m	1	30.00	0.90	0.15	4.05	
	CH: 90.00 to 120.00 m	1	30.00	0.90	0.15	4.05	
	CH: 120.00 to 133.00 m	1	13.00	0.90	0.15	1.76	
	Narayana Gowda Layout Betthallli LHS						
	CH: 0.00 to 30.00 m	1	30.00	0.90	0.15	4.05	
	CH: 30.00 to 40.00 m	1	10.00	0.90	0.15	1.35	
	Narayana Gowda Layout Betthallli RHS						
	CH: 0.00 to 30.00 m	1	30.00	0.90	0.15	4.05	
	CH: 30.00 to 40.00 m	1	10.00	0.90	0.15	1.35	
	Culverts						
	Layout Near Basavalingappa Nagara						
	Road 1 LHS						
	CH: 89.00 to 95.00 m	1	6.00	1.20	0.15	1.08	
					Present Qty	139.10	Cum

43.75

Halappa-C.

Contractor PMC Assistant Engineer Asst. Executive Engineer

SHRIYA CONSTRUCTION AND CONSULTANCY

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On: 26/5/22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
8	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.						
			Previous Qunatity			2353.52	
	Excavation For Drain						
	Vaderahalli Drain RHS Side						
	CH: 402.5 to 406.1	1	3.60	1.10	1.00	3.96	
	After Culvert , to connect Existing Drain	1	3.70	1.10	1.00	4.07	
	Layout Near Basavalingappa Nagara						
	Road 1 LHS						
	CH: 7.50 to 30.00 m	1	22.50	1.10	1.00	24.75	
	CH: 30.00 to 60.00 m	1	30.00	1.10	1.00	33.00	
	CH: 60.00 to 90.00 m	1	30.00	1.10	1.00	33.00	
	CH: 90.00 to 120.00 m	1	30.00	1.10	1.00	33.00	
	CH: 120.00 to 150.00 m	1	30.00	1.10	1.00	33.00	
	CH: 150.00 to 174.30 m	1	24.30	1.10	1.00	26.73	
	Deduct Culvert	-1	6.00	1.10	1.00	-6.60	
	Road 1 RHS						
	CH: 0.00 to 30.00 m	1	30.00	1.10	1.00	33.00	
	CH: 30.00 to 60.00 m	1	30.00	1.10	1.00	33.00	
	CH: 60.00 to 90.00 m	1	30.00	1.10	1.00	33.00	
	CH: 90.00 to 120.00 m	1	30.00	1.10	1.00	33.00	
	CH: 120.00 to 150.00 m	1	30.00	1.10	1.00	33.00	
	CH: 150.00 to 174.30 m	1	24.30	1.10	1.00	26.73	
	Road 2 LHS						
	CH: 0.00 to 30.00 m	1	30.00	1.10	1.00	33.00	
	CH: 30.00 to 60.00 m	1	30.00	1.10	1.00	33.00	
	CH: 60.00 to 90.00 m	1	30.00	1.10	1.00	33.00	
	CH: 90.00 to 120.00 m	1	30.00	1.10	1.00	33.00	
	CH: 120.00 to 150.00 m	1	30.00	1.10	1.00	33.00	
	CH: 150.00 to 167.50	1	17.50	1.10	1.00	19.25	
	Road 2 RHS						
	CH: 0.00 to 30.00 m	1	30.00	1.10	1.00	33.00	
	CH: 30.00 to 60.00 m	1	30.00	1.10	1.00	33.00	
	CH: 60.00 to 90.00 m	1	30.00	1.10	1.00	33.00	
	CH: 90.00 to 120.00 m	1	30.00	1.10	1.00	33.00	
	CH: 120.00 to 150.00 m	1	30.00	1.10	1.00	33.00	
	CH: 150.00 to 165.50 m	1	16.50	1.10	1.00	18.15	
	Road 3 LHS						
	CH: 0.00 to 30.00 m	1	30.00	1.10	1.00	33.00	
	CH: 30.00 to 60.00 m	1	30.00	1.10	1.00	33.00	

CONSULTANCY * SHRIYA CONSTRUCTION

	CH: 60.00 to 90.00 m	1	30.00	1.10	1.00	33.00	
	CH: 90.00 to 120.00 m	1	30.00	1.10	1.00	33.00	
	CH: 120.00 to 133.00 m	1	13.00	1.10	1.00	14.30	
	Road 3 RHS						
	CH: 0.00 to 30.00 m	1	30.00	1.10	1.00	33.00	
	CH: 30.00 to 60.00 m	1	30.00	1.10	1.00	33.00	
	CH: 60.00 to 90.00 m	1	30.00	1.10	1.00	33.00	
	CH: 90.00 to 120.00 m	1	30.00	1.10	1.00	33.00	
	CH: 120.00 to 133.00 m	1	13.00	1.10	1.00	14.30	
	Narayana Gowda Layout Betthallli LHS						
	CH: 0.00 to 30.00 m	1	30.00	1.10	1.00	33.00	
	CH: 30.00 to 40.00 m	1	10.00	1.10	1.00	11.00	
	Narayana Gowda Layout Betthallli RHS						
	CH: 0.00 to 30.00 m	1	30.00	1.10	1.00	33.00	
	CH: 30.00 to 40.00 m	1	10.00	1.10	1.00	11.00	
	Culverts						
	Layout Near Basavalingappa Nagara						
	Road 1 LHS						
	CH: 89.00 to 95.00 m	1	6.00	1.20	1.00	7.20	
					Present Qty	**1131.84**	Cum

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On: 7/6/22 & 10/6/22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
9	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. Wall and Bottom Thickness 15 cm.						
	Drain Raft		**Previous Qunatity**			**712.31**	
	Vaderahalli Drain RHS Side						
	CH: 402.5 to 406.1	1	3.60	0.90	0.15	0.49	
	After Culvert , to connect Existing Drain	1	3.70	0.90	0.15	0.50	
	Layout Near Basavalingappa Nagara						
	Road 1 LHS						
	CH: 7.50 to 30.00 m	1	22.50	0.90	0.15	3.04	
	CH: 30.00 to 60.00 m	1	30.00	0.90	0.15	4.05	
	CH: 60.00 to 90.00 m	1	30.00	0.90	0.15	4.05	
	CH: 90.00 to 120.00 m	1	30.00	0.90	0.15	4.05	
	CH: 120.00 to 150.00 m	1	30.00	0.90	0.15	4.05	
	CH: 150.00 to 174.30 m	1	24.30	0.90	0.15	3.28	
	Deduct Culvert	-1	6.00	0.90	0.15	-0.81	
	Road 1 RHS						
	CH: 0.00 to 30.00 m	1	30.00	0.90	0.15	4.05	
	CH: 30.00 to 60.00 m	1	30.00	0.90	0.15	4.05	
	CH: 60.00 to 90.00 m	1	30.00	0.90	0.15	4.05	
	CH: 90.00 to 120.00 m	1	30.00	0.90	0.15	4.05	
	CH: 120.00 to 150.00 m	1	30.00	0.90	0.15	4.05	
	CH: 150.00 to 174.30 m	1	24.30	0.90	0.15	3.28	
	Road 2 LHS						
	CH: 0.00 to 30.00 m	1	30.00	0.90	0.15	4.05	
	CH: 30.00 to 60.00 m	1	30.00	0.90	0.15	4.05	
	CH: 60.00 to 90.00 m	1	30.00	0.90	0.15	4.05	
	CH: 90.00 to 120.00 m	1	30.00	0.90	0.15	4.05	
	CH: 120.00 to 150.00 m	1	30.00	0.90	0.15	4.05	
	CH: 150.00 to 167.50	1	17.50	0.90	0.15	2.36	
	Road 2 RHS						
	CH: 0.00 to 30.00 m	1	30.00	0.90	0.15	4.05	
	CH: 30.00 to 60.00 m	1	30.00	0.90	0.15	4.05	
	CH: 60.00 to 90.00 m	1	30.00	0.90	0.15	4.05	
	CH: 90.00 to 120.00 m	1	30.00	0.90	0.15	4.05	
	CH: 120.00 to 150.00 m	1	30.00	0.90	0.15	4.05	
	CH: 150.00 to 165.50 m	1	16.50	0.90	0.15	2.23	
	Road 3 LHS						
	CH: 0.00 to 30.00 m	1	30.00	0.90	0.15	4.05	
	CH: 30.00 to 60.00 m	1	30.00	0.90	0.15	4.05	
	CH: 60.00 to 90.00 m	1	30.00	0.90	0.15	4.05	
	CH: 90.00 to 120.00 m	1	30.00	0.90	0.15	4.05	
	CH: 120.00 to 133.00 m	1	13.00	0.90	0.15	1.76	

CONSULTANCY * SHRIYA CONSTR

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	Road 3 RHS						
	CH: 0.00 to 30.00 m	2	30.00	0.15	0.60	5.40	
	CH: 30.00 to 60.00 m	2	30.00	0.15	0.60	5.40	
	CH: 60.00 to 90.00 m	2	30.00	0.15	0.60	5.40	
	CH: 90.00 to 120.00 m	2	30.00	0.15	0.60	5.40	
	CH: 120.00 to 133.00 m	2	13.00	0.15	0.60	2.34	
	Narayana Gowda Layout Betthallli LHS						
	CH: 0.00 to 30.00 m	2	30.00	0.15	0.60	5.40	
	CH: 30.00 to 40.00 m	2	10.00	0.15	0.60	1.80	
	Narayana Gowda Layout Betthallli RHS						
	CH: 0.00 to 30.00 m	2	30.00	0.15	0.60	5.40	
	CH: 30.00 to 40.00 m	2	10.00	0.15	0.60	1.80	
	Culverts Raft						
	Layout Near Basavalingappa Nagara						
	Road 1 LHS						
	CH: 89.00 to 95.00 m	1	6.00	1.20	0.20	1.44	
	Culverts Side Walls						
	Layout Near Basavalingappa Nagara						
	Road 1 LHS						
	CH: 89.00 to 95.00 m	2	6.00	0.20	0.55	1.32	
	Betahalli Drain Raft						
	CH:	1	90.00	0.90	0.15	12.15	
	Betahalli Sides						
	CH:	2	90.00	0.15	0.60	16.20	
					Present Qty	353.17	Cum

Habppa C.
Contractor

PMC
SHRIYA CONSTRUCTION AND CONSULTANCY

Assistant Engineer

Asst. Executive Engineer

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On: 3/6/22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
10	KSRRB M 2200-6 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. MORTH Specification No 1600 & 2200 TMT Bars Fe 500						
			Previous Qunatity			36.72	
	Vaderahalli Drain End Portion						
	Total Drain length = 7.30m						
	Main bar 10mm dia bar @ 100 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		69	1.90	0.62	81.28	
	Distribution bar 8mm dia 150mm C/c						
	8mm bar unit weight = 0.39kg/mtr		10	6.90	0.39	26.91	
	Layout Near Basavalingappa Nagara						
	Road 1 LHS & RHS						
	Total Drain length = 341.00 m						
	Main bar 10mm dia bar @ 100 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		3395	1.90	0.62	3999.31	
	Distribution bar 8mm dia 150mm C/c						
	8mm bar unit weight = 0.39kg/mtr		10	340.20	0.39	1326.78	
	Road 2 LHS & RHS						
	Total Drain length = 266.00 m						
	Main bar 10mm dia bar @ 100 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		2558	1.90	0.62	3013.32	
	Distribution bar 8mm dia 150mm C/c						
	8mm bar unit weight = 0.39kg/mtr		10	265.40	0.39	1035.06	
	Road 3 LHS & RHS						
	Total Drain length = 334.00 m						
	Main bar 10mm dia bar @ 100 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		3327	1.90	0.62	3885.04	
	Distribution bar 8mm dia 150mm C/c						
	8mm bar unit weight = 0.39kg/mtr		10	333.40	0.39	1300.26	
	Betahalli Drain						
	Total Drain length = 80.00 m						
	Main bar 10mm dia bar @ 100 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		786	1.90	0.62	925.91	
	Distribution bar 8mm dia 150mm C/c						
	8mm bar unit weight = 0.39kg/mtr		10	79.50	0.39	310.05	

15903.92

SHRIYA CONSTRUCTION AND CONSULTANCY

	Culverts LHS Side						
	Total culvert Length= 06.10 m						
	Main bar 12mm dia bar @ 100mmC/c						
	12mm bar unit weight = 0.89kg/mtr		49	1.95	0.89	85.04	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.61kg/mtr		10	5.80	0.61	35.38	
						16024.35	
					Present Qty	16.02	MT

Contractor

PMC SURIYA CONSULTANCY AND CONSTRUCTION

Assistant Engineer

Asst. Executive Engineer

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On: 4/7/22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
16	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and sparying primer at the rte of 0.60 kg /sqm using mechanical means complete as per specifications						
	Chennamma Narayanappa Layout				**Previous Qunatity**		8283.04
	Main Road						
	CH: 134.00 to 164.00 m	1	30.00	(6.00 + 7.00)/2		195.00	
	CH: 164.00 to 194.00 m	1	30.00	(7.00 + 6.80)/2		207.00	
	Vaderahalli Road						
	CH: 00.00 to 30.00 m	1	30.00	(5.30 + 5.40)/2		160.50	
	CH: 30.00 to 60.00 m	1	30.00	(5.40 + 4.30)/2		145.50	
	CH: 60.00 to 90.00 m	1	30.00	(4.30 + 6.20)/2		157.50	
	CH: 90.00 to 120.00 m	1	30.00	(6.20 + 6.00)/2		183.00	
	CH: 120.00 to 150.0 m	1	30.00	(6.00 + 6.70)/2		190.50	
	CH: 150.00 to 180.0 m	1	30.00	(6.70 + 10.00)/2		250.50	
	CH: 180.00 to 200.0 m	1	20.00	(10.00 + 7.00)/2		170.00	
	CH: 200.00 to 230.00 m	1	30.00	(7.00 + 7.00)/2		210.00	
	CH: 230.00 to 260.00 m	1	30.00	(7.00 + 6.40)/2		201.00	
	CH: 260.00 to 290.00 m	1	30.00	(6.40 + 6.00)/2		186.00	
	CH: 290.00 to 320.00 m	1	30.00	(6.00 + 5.30)/2		169.50	
	CH: 320.00 to 333.00	1	13.00	(5.30 + 6.80)/2		78.65	
	CH: 330.00 to 360.00 m	1	30.00	(6.80 + 7.30)/2		211.50	
	CH: 360.00 to 390.00 m	1	30.00	(7.30 + 7.50)/2		222.00	
	CH: 390.00 to 402.00 m	1	12.00	(7.50 + 8.60)/2		96.60	
	CH: 402.00 to 406.00	1	4.00	(8.70 + 8.70)/2		34.80	
	CH: 406.00 to 418.20	1	12.20	(6.60 + 6.50)/2		79.91	
	Deduct Drain	-1	10.00	(0.75 + 0.75)/2		-7.50	
	Kempanahalli Main Road						
	CH: 00.00 to 30.00 m	1	30.00	(25.40 + 11.30)/2		550.50	
	CH: 30.00 to 38.00m	1	8.00	(11.30 + 10.80)		884	

SHRIYA CONSTRUCTION AND CONSULTANCY

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	CH: 60.00 to 90.00 m	1	30.00	17.00	+	15.30	2		484.50	
	CH: 90.00 to 120.00 m	1	30.00	15.30	+	15.50	2		462.00	
	CH: 120.00 to 150.00 m	1	30.00	15.50	+	14.50	2		450.00	
	CH: 150.00 to 180.00 m	1	30.00	14.50	+	13.90	2		426.00	
	CH: 180.00 to 210.00 m	1	30.00	13.90	+	13.60	2		412.50	
	CH: 210.00 to 240.00 m	1	30.00	13.60	+	12.60	2		393.00	
	CH: 240.00 to 270.00 m	1	30.00	12.60	+	13.70	2		394.50	
	CH: 270.00 to 271.00 m	1	1.00	13.70	+	13.70	2		13.70	
	Cross Road 2									
	CH: 00.00 to 15.00 m	1	15.00	11.70	+	16.50	2		211.50	
	CH: 15.00 to 30.00 m	1	30.00	16.50	+	15.00	2		472.50	
	CH: 30.00 to 40.10 m	1	10.10	15.00	+	15.00	2		151.50	
	Cross Road 3									
	CH: 00.00 to 30.00 m	1	30.00	11.50	+	14.40	2		388.50	
	CH: 30.00 to 60.00 m	1	30.00	14.40	+	14.30	2		430.50	
	CH: 60.00 to 71.00 m	1	21.00	14.30	+	14.20	2		299.25	
								Present Qty	16620.76	Sqm

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On: 4/7/22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
17	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of materials , labour, HOM complete as per specification						
					Previous Qunatity		24903.80
	Chennamma Narayanappa Layout						
	Main Road						
	CH: 134.00 to 164.00 m	1	30.00	(6.00 + 7.00)/2		195.00	
	CH: 164.00 to 194.00 m	1	30.00	(7.00 + 6.80)/2		207.00	
	Vaderahalli Road						
	CH: 00.00 to 30.00 m	1	30.00	(5.30 + 5.40)/2		160.50	
	CH: 30.00 to 60.00 m	1	30.00	(5.40 + 4.30)/2		145.50	
	CH: 60.00 to 90.00 m	1	30.00	(4.30 + 6.20)/2		157.50	
	CH: 90.00 to 120.00 m	1	30.00	(6.20 + 6.00)/2		183.00	
	CH: 120.00 to 150.0 m	1	30.00	(6.00 + 6.70)/2		190.50	
	CH: 150.00 to 180.0 m	1	30.00	(6.70 + 10.00)/2		250.50	
	CH: 180.00 to 200.0 m	1	20.00	(10.00 + 7.00)/2		170.00	
	CH: 200.00 to 230.00 m	1	30.00	(7.00 + 7.00)/2		210.00	
	CH: 230.00 to 260.00 m	1	30.00	(7.00 + 6.40)/2		201.00	
	CH: 260.00 to 290.00 m	1	30.00	(6.40 + 6.00)/2		186.00	
	CH: 290.00 to 320.00 m	1	30.00	(6.00 + 5.30)/2		169.50	
	CH: 320.00 to 333.00 m	1	13.00	(5.30 + 6.80)/2		78.65	
	CH: 330.00 to 360.00 m	1	30.00	(6.80 + 7.30)/2		211.50	
	CH: 360.00 to 390.00 m	1	30.00	(7.30 + 7.50)/2		222.00	
	CH: 390.00 to 402.00 m	1	12.00	(7.50 + 8.60)/2		96.60	
	CH: 402.00 to 406.00	1	4.00	(8.70 + 8.70)/2		34.80	
	CH: 406.00 to 418.20	1	12.20	(6.60 + 6.50)/2		79.91	
	Deduct Drain	-1	10.00	(0.75 + 0.75)/2		-7.50	

SHRIYA CONSULTANCY AND CONSTRUCTION

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	CH: 852.00 to 879.50 m	1	27.50	4.70	+	5.50		140.25	
					2				
	Cross Road 1								
	CH: 00.00 to 30.00 m	1	30.00	15.00	+	16.00		465.00	
					2				
	CH: 30.00 to 60.00 m	1	30.00	16.00	+	17.00		495.00	
					2				
	CH: 60.00 to 90.00 m	1	30.00	17.00	+	15.30		484.50	
					2				
	CH: 90.00 to 120.00 m	1	30.00	15.30	+	15.50		462.00	
					2				
	CH: 120.00 to 150.00 m	1	30.00	15.50	+	14.50		450.00	
					2				
	CH: 150.00 to 180.00 m	1	30.00	14.50	+	13.90		426.00	
					2				
	CH: 180.00 to 210.00 m	1	30.00	13.90	+	13.60		412.50	
					2				
	CH: 210.00 to 240.00 m	1	30.00	13.60	+	12.60		393.00	
					2				
	CH: 240.00 to 270.00 m	1	30.00	12.60	+	13.70		394.50	
					2				
	CH: 270.00 to 271.00 m	1	1.00	13.70	+	13.70		13.70	
					2				
	Cross Road 2								
	CH: 00.00 to 15.00 m	1	30.00	11.70	+	16.50		211.50	
					2				
	CH: 15.00 to 30.00 m	1	30.00	16.50	+	15.00		472.50	
					2				
	CH: 30.00 to 40.10 m	1	10.10	15.00	+	15.00		151.50	
					2				
	Cross Road 3								
	CH: 00.00 to 30.00 m	1	30.00	11.50	+	14.40		388.50	
					2				
	CH: 30.00 to 60.00 m	1	30.00	14.40	+	14.30		430.50	
					2				
	CH: 60.00 to 71.00 m	1	21.00	14.30	+	14.20		299.25	
					2				
							Present Qty	16620.76	Sqm

Halappa C.
Contractor

Assistant Engineer

Asst. Executive Engineer

PMC SHAKA CONSTRUCTION AND CONSULTANCY

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On: 5/7/22 / 6/7/22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
18	KSRRB M500-17. Providing and laying Dense Graded Bituminous Macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with mechanical paver Gr-II (50mm to 75mm) with 4.5% VG-30 bitumen with all lead and lift and as per the direction of Engineer in-charge.						
					Previous Qunatity		414.15
	Chennamma Narayanappa Layout						
	Main Road						
	CH: 134.00 to 164.00 m	1	30.00	(6.00 + 7.00)/2	0.05	9.75	
	CH: 164.00 to 194.00 m	1	30.00	(7.00 + 6.80)/2	0.05	10.35	
	Vaderahalli Road						
	CH: 00.00 to 30.00 m	1	30.00	(5.30 + 5.40)/2	0.05	8.03	
	CH: 30.00 to 60.00 m	1	30.00	(5.40 + 4.30)/2	0.05	7.28	
	CH: 60.00 to 90.00 m	1	30.00	(4.30 + 6.20)/2	0.05	7.88	
	CH: 90.00 to 120.00 m	1	30.00	(6.20 + 6.00)/2	0.05	9.15	
	CH: 120.00 to 150.0 m	1	30.00	(6.00 + 6.70)/2	0.05	9.53	
	CH: 150.00 to 180.0 m	1	30.00	(6.70 + 10.00)/2	0.05	12.53	
	CH: 180.00 to 200.0 m	1	20.00	(10.00 + 7.00)/2	0.05	8.50	
	CH: 200.00 to 230.00 m	1	30.00	(7.00 + 7.00)/2	0.05	10.50	
	CH: 230.00 to 260.00 m	1	30.00	(7.00 + 6.40)/2	0.05	10.05	
	CH: 260.00 to 290.00 m	1	30.00	(6.40 + 6.00)/2	0.05	9.30	
	CH: 290.00 to 320.00	1	30.00	(6.00 + 5.30)/2	0.05	8.48	
	CH: 320.00 to 333.00 m	1	13.00	(5.30 + 6.80)/2	0.05	3.93	
	CH: 330.00 to 360.00 m	1	30.00	(6.80 + 7.30)/2	0.05	10.58	
	CH: 360.00 to 390.00 m	1	30.00	(7.30 + 7.50)/2	0.05	11.10	
	CH: 390.00 to 402.00 m	1	12.00	(7.50 + 8.60)/2	0.05	4.83	
	CH: 402.00 to 406.00	1	4.00	(8.70 + 8.70)/2	0.05	1.74	
	CH: 406.00 to 418.20	1	12.20	(6.60 + 6.50)/2	0.05	4.00	
	Deduct Drain	-1	10.00	(0.75 + 0.75)/2	0.05	-0.38	

SHRIYA CONSTRUCTION AND CONSULTANCY

CH: 852.00 to 879.50 m	1	27.50	4.70	+	5.50	0.05	7.01	
				2				
Cross Road 1								
CH: 00.00 to 30.00 m	1	30.00	15.00	+	16.00	0.05	23.25	
				2				
CH: 30.00 to 60.00 m	1	30.00	16.00	+	17.00	0.05	24.75	
				2				
CH: 60.00 to 90.00 m	1	30.00	17.00	+	15.30	0.05	24.23	
				2				
CH: 90.00 to 120.00 m	1	30.00	15.30	+	15.50	0.05	23.10	
				2				
CH: 120.00 to 150.00 m	1	30.00	15.50	+	14.50	0.05	22.50	
				2				
CH: 150.00 to 180.00 m	1	30.00	14.50	+	13.90	0.05	21.30	
				2				
CH: 180.00 to 210.00 m	1	30.00	13.90	+	13.60	0.05	20.63	
				2				
CH: 210.00 to 240.00 m	1	30.00	13.60	+	12.60	0.05	19.65	
				2				
CH: 240.00 to 270.00 m	1	30.00	12.60	+	13.70	0.05	19.73	
				2				
CH: 270.00 to 271.00 m	1	1.00	13.70	+	13.70	0.05	0.69	
				2				
Cross Road 2								
CH: 00.00 to 15.00 m	1	15.00	11.70	+	16.50	0.05	10.58	
				2				
CH: 15.00 to 30.00 m	1	15.00	16.50	+	15.00	0.05	23.63	
				2				
CH: 30.00 to 40.00 m	1	10.10	15.00	+	15.00	0.05	7.58	
				2				
Cross Road 3								
CH: 00.00 to 30.00 m	1	30.00	11.50	+	14.40	0.05	19.43	
				2				
CH: 30.00 to 60.00 m	1	30.00	14.40	+	14.30	0.05	21.53	
				2				
CH: 60.00 to 71.00 m	1	21.00	14.30	+	14.20	0.05	14.96	
				2				
						Present Qty	831.04	Cum

Contractor

Assistant Engineer

Asst. Executive Engineer

PMC * SHRIYA CONSTRUCTION AND CONSULTANCY

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On: 25/5/22

Item No	Discription of Item	No	Length	Breadth		Depth	Qty	Unit
EIRL-1	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305							
						Previous Qunatity		0.00
	Vaderahalli Road Low Laying Area							
	CH: 00.00 to 30.00 m	1	30.00	5.30 + 5.40 / 2		0.30	48.15	
	CH: 30.00 to 60.00 m	1	30.00	5.40 + 4.30 / 2		0.45	65.48	
	CH: 60.00 to 90.00 m	1	30.00	4.30 + 6.20 / 2		0.50	78.75	
	CH: 90.00 to 120.00 m	1	30.00	6.20 + 6.00 / 2		0.55	100.65	
	CH: 120.00 to 150.0 m		30.00	6.00 + 6.70 / 2		0.50	95.25	
	CH: 150.00 to 180.0 m		30.00	6.70 + 10.00 / 2		0.45	112.73	
	CH: 180.00 to 200.0 m		20.00	10.00 + 7.00 / 2		0.30	51.00	
							552.00	
	Consider 10% Shrinkage						496.80	
						Present Qty	496.80	Cum

Contractor

Halappa-C.

SHRIYA CONSULTANCY AND CONSTRUCTION PMC

Assistant Engineer

Asst. Executive Engineer

BRUHAT BENGALURU MAHANAGARA PALIKE, YELAHANKA DIVISION

Bruhat Bengaluru Mahanagara Palike

Name of Work :- Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division

(PACKAGE NO-11)

MEASUREMENT SHEETS

"THIRD AND FINAL BILL"

3rd & Final Bill

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Work Order No : BBMP/EE/YNK.D/EPMT-08/W.O/119/2021-22 DATED 22-02-2022
Job code: 003-22-000007
Est. cost: 1000.00 lakhs
Name Of contractor: Sri C. HALAPPA

Measurements

Item No	Discription of Item	Unit	No	Length	Breadth	Depth	Qty	Rate	Amount
1	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead.								
	Pre Measurements recorded in Vide page no (1) - (3)								
		CUM							
	Previous Bill Quantity						9037.56		
	Total present bill Quantity						5396.48		
	Schedule B Quantity						10299.30		
	Reserved Quantity						0.00		
	Quantity to be Claimed in this Bill						5396.48	64.58	348501.70
2	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications								
	Pre Measurements recorded in Vide page no (4) - (6)								
		SQM							
	Previous Bill Quantity						24231.62		
	Total present bill Quantity						14605.91		
	Schedule B Quantity						34331.00		
	Reserved Quantity						0.00		
	Quantity to be Claimed in this Bill						14605.91	6.42	93822.52
3	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision								
	Pre Measurements recorded in Vide page no (8) - (9)								
		CUM							
	Previous Bill Quantity						3634.74		
	Total present bill Quantity						2190.89		
	Schedule B Quantity						8584.50		
	Reserved Quantity						0.00		
	Quantity to be Claimed in this Bill						2190.89	2014.87	4414349.73

SHRIYA CONSTRUCTION AND CONSULTANCY

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4	KSRRB M600-1 Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and 0.86cum and fine aggregate @0.58cum over a prepared sub-base,coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1 Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determind during trial length construction,concrete strength not be determinde during trial length costruction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,laid with a paver,compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per spectications. Clause 601 of MORTH V Revision and IS 456 Table-5 , with OPC at 150 kg/cum and coarse aggregate 0.86 cum,fine aggregate 0.58 cum using concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver			
	Pre Measurements recorded in Vide page no (10) - (12)			
	CUM			
	Previous Bill Quantity	1444.79		
	Total present bill Quantity	644.61		
	Schedule B Quantity	2503.80		
	Reserved Quantity	0.00		
	Quantity to be Claimed in this Bill	644.61	4101.90	2644138.40
6	KSRB 4-1.6: Providing and laying in postion Plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 Page No-13, Item No-4.6.,(PWD BCSR 2018-19)			
	Pre Measurements recorded in Vide page no (13) - (14)			
	CUM			
	Previous Bill Quantity	75.90		
	Total present bill Quantity	0.00		
	Schedule B Quantity	75.90		
	Reserved Quantity	2.48		
	Quantity to be Claimed in this Bill	0.00	6089.85	0.00
7	KSRB 4-1.3 : Providing and laying in position plain cement concrete ofg Mix 1:4:8 with opc @180kgs, with 40mm and down size graded granite metal coarse aggregates@0.85 cum and fine aggregates @0.57 cum machine mixed , machine mixed, concrete laid in layers mot exceeding 15cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per Specifications.			
	Pre Measurements recorded in Vide page no (13) - (14)			
	CUM			
	Previous Bill Quantity	242.25		
	Total present bill Quantity	139.10		
	Schedule B Quantity	445.58		
	Reserved Quantity	0.00		
	Quantity to be Claimed in this Bill	139.10	5675.99	789552.62
8	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.			
	Pre Measurements recorded in Vide page no (15) - (16)			
	CUM			
	Previous Bill Quantity	2353.52		
	Total present bill Quantity	1131.84		

SHRIYA CONSULTANCY AND CONSTRUCTION

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	Schedule B Quantity	3006.66		
	Reserved Quantity	0.00		
	Quantity to be Claimed in this Bill	1131.84	217.43	246099.14
9	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. Wall and Bottom Thickness 15 cm.			
	Pre Measurements recorded in Vide page no (17) - (19)			
	CUM			
	Previous Bill Quantity	712.31		
	Total present bill Quantity	353.17		
	Schedule B Quantity	853.17		
	Reserved Quantity	0.00		
	Quantity to be Claimed in this Bill	353.17	7497.22	2647763.16
10	KSRRB M 2200-6 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. MORTH Specification No 1600 & 2200 TMT Bars Fe 500			
	Pre Measurements recorded in Vide page no (20) - (21)			
	MT			
	Previous Bill Quantity	36.72		
	Total present bill Quantity	16.02		
	Schedule B Quantity	52.91		
	Reserved Quantity	0.00		
	Quantity to be Claimed in this Bill	16.02	80948.07	1297139.94
15	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications			
	Pre Measurements recorded in Vide page no (23) - (24)			
	CUM			
	Previous Bill Quantity	2234.10		
	Total present bill Quantity	2717.20		
	Schedule B Quantity	3527.80		
	Reserved Quantity	0.00		
	Quantity to be Claimed in this Bill	2717.20	2021.29	5492260.84
16	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and sparying primer at the rte of 0.60 kg /sqm using mechanical means complete as per specifications.			
	Pre Measurements recorded in Vide page no (25) - (27)			
	Sqm			
	Previous Bill Quantity	8283.04		
	Total present bill Quantity	16620.76		
	Schedule B Quantity	17639.00		

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	Reserved Quantity	0.00		
	Quantity to be Claimed in this Bill	16620.76	34.26	569413.94
17	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of materials , labour, HOM complete as per specification			
	Pre Measurements recorded in Vide page no (28) - (30) Sqm			
	Previous Bill Quantity	0.00		
	Total present bill Quantity	16620.76		
	Schedule B Quantity	17639.00		
	Reserved Quantity	0.00		
	Quantity to be Claimed in this Bill	16620.76	12.85	213530.23
18	KSRRB M500-17. Providing and laying Dense Graded Bituminous Macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with mechanical paver Gr-II (50mm to 75mm) with 4.5% VG-			
	Pre Measurements recorded in Vide page no (31) - (33) Sqm			
	Previous Bill Quantity	414.15		
	Total present bill Quantity	831.04		
	Schedule B Quantity	881.95		
	Reserved Quantity	0.00		
	Quantity to be Claimed in this Bill	831.04	7365.73	6121199.87

Halappa C.
Contractor

PMC SHRIYA CONSULTANCY AND CONSTRUCTION

Assistant Engineer

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Asst. Executive Engineer

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
5	Constructing un-reinforced,plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum,fine aggregates at 0.46 cum,coarse and fine aggregate conforming to IS:383-2016,with Superplastizer at 3 lts conforming to IS 9103-2008.mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design,laid in approved fixed side form work (sreel channel,layning and fixing of 125 micron thick polythene fim, wedges, steel plates including levelling the form work as per drawing). & Speration the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a construction and longitudinal joints,including groove cutting charges,joint filler,separation membrane of impermiable plastic sheet of 125 micron,sealant primer, joint sealant, admixtures as approved, curring compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials,labour,hire charges of machineries , all lead & lift charges etc., complete as per specifications.with OPC AT 360 kg/cum and coarse aggregate 0.69,fineaggregate 0.46cum.								
	Doddabettahalli								
	In front of Temple								
	CH: 00.00 to 17.50 m	1	17.50	5.00 + 4.75 / 2	0.15	12.80			
	CH 17.50 to 29.20 m	1	11.70	8.75 + 8.55 / 2	0.15	15.18			
	Drinking Water, RO Plant								
	CH: 00.00 to 15.00 m	1	15.00	7.20 + 5.10 / 2	0.15	13.84			
	CH: 15.00 to 27.00 m	1	12.00	5.10 + 4.00 / 2	0.15	8.19			
	Temple Opposite Road								
	CH: 00.00 to 30.00 m	1	30.00	5.80 + 3.50 / 2	0.15	20.93			
	CH: 30.00 to 35.00 m	1	5.00	3.50 + 3.50 / 2	0.15	2.63			
	Cross Road RHS								
	CH: 00.00 to 30.00 m	1	30.00	3.70 + 3.70 / 2	0.15	16.65			
	CH: 30.00 to 41.00 m	1	11.00	3.70 + 3.90 / 2	0.15	6.27			
	Cross Road (End Road)								
	CH: 00.00 to 30.00 m	1	30.00	3.40 + 3.40 / 2	0.15	15.30			
	CH: 30.00 to 35.00 m	1	5.00	3.70 + 3.30 / 2	0.15	2.51			
	1st Cross Road - Narayanappa Layout RHS								
	CH: 00.00 to 30.00 m	1	30.00	6.40 + 6.80 / 2	0.15	29.70			
	CH: 30.00 to 58.00 m	1	28.00	6.80 + 6.00 / 2	0.15	26.88			
	In Front of Om Shakthi Provision Store								
	CH: 00.00 to 30.00 m	1	30.00	5.00 + 5.10 / 2	0.15	22.73			
	CH: 30.00 to 60.00 m	1	30.00	5.10 + 4.60 / 2	0.15	21.83			
	CH: 60.00 to 90.00 m	1	30.00	4.60 + 4.50 / 2	0.15	20.48			
	CH: 90.00 to 94.00 m	1	4.00	4.50 + 4.50 / 2	0.15	2.70			
	3rd Cross Road Channamma Narayanappa Layout								
	CH: 00.00 to 30.00 m	1	30.00	5.75 + 5.50 / 2	0.15	25.31			
	CH: 30.00 to 60.00 m	1	30.00	5.50 + 5.30 / 2	0.15	24.30			

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CH: 60.00 to 90.00 m	1	30.00	5.30	+ 5.80 / 2		0.15	24.98			
CH: 90.00 to 112.00 m	1	22.00	5.80	+ 5.80 / 2		0.15	19.14			
4th Cross Road Channamma Narayanappa Layout From End										
CH: 00.00 to 30.00 m	1	30.00	6.00	+ 5.60 / 2		0.15	26.10			
CH: 30.00 to 60.00 m	1	30.00	5.60	+ 5.00 / 2		0.15	23.85			
CH: 60.00 to 90.00 m	1	30.00	5.00	+ 5.85 / 2		0.15	24.41			
CH: 90.00 to 122.50 m	1	22.00	5.85	+ 5.85 / 2		0.15	19.31			
5th Cross Road Channamma Narayanappa Layout From End										
CH: 00.00 to 30.00 m	1	30.00	4.00	+ 4.10 / 2		0.15	18.23			
CH: 30.00 to 60.00 m	1	30.00	4.10	+ 4.40 / 2		0.15	19.13			
CH: 60.00 to 83.00 m	1	23.00	4.60	+ 4.60 / 2		0.15	15.87			
Cross Road to 5th Cross Road Channamma Narayanappa Layout From End										
CH: 00.00 to 24.00 m	1	24.00	3.40	+ 3.50 / 2		0.15	12.42			
Narayana Gowda Layout Betthallli										
CH: 00.00 to 30.00 m	1	30.00	5.00	+ 5.00 / 2		0.15	22.50			
CH: 30.00 to 40.00 m	1	10.00	5.00	+ 5.00 / 2		0.15	7.50			
KrishnamNagara, Sadguru Layout										
Road 1										
CH: 00.00 to 30.00 m	1	30.00	5.90	+ 5.90 / 2		0.15	26.55			
CH: 30.00 to 35.00 m	1	5.00	5.90	+ 5.90 / 2		0.15	4.43			
Road 2										
CH: 00.00 to 30.00 m	1	30.00	5.90	+ 5.90 / 2		0.15	26.55			
CH: 30.00 to 44.00 m 41.00 M	1	~~44.00~~ 41.00	6.60	+ 6.60 / 2		0.15	~~13.86~~ 12.42	10.89		
Road 3										
CH: 00.00 to 26.00 m	1	26.00	5.60	+ 5.60 / 2		0.15	21.84			
Road 4										
CH: 00.00 to 30.00 m	1	30.00	6.20	+ 6.20 / 2		0.15	27.90			
CH: 30.00 to 32.00 m	1	2.00	6.20	+ 6.20 / 2		0.15	1.86			
						Previous Bill Quantity	1444.79			
						Total present bill Quantity	~~644.61~~	641.64		
						Schedule B Quantity	2503.80			
						Reserved Quantity	0.00			
						Quantity to be Claimed in this Bill	~~644.61~~ 641.64	Cum	5690.65	3668266.83

Hdappa.C.
Contractor

SHRIYA CONSTRUCTION AND CONSULTANCY PVT. LTD.

Assistant Engineer

Asst. Executive Engineer

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
11	Providing and Fixing pre cast covering Slab of 100mm thick made out of CC jelly 20mm and down size with steel reinforecement , inclunding form work, lift charges, curing including cost of all materials ,Labour,Hire charges of machineries,loading onloading,lead and lift,Transportation etc,complete as per Engineer in-charge.								
	Vaderahalli Drain RHS Side								
	CH: 402.5 to 406.1	1	3.60	0.90		3.24			
	After Culvert , to connect Existing Drain	1	3.70	0.90		3.33			
	Layout Near Basavalingappa Nagara								
	Road 1 LHS								
	CH: 7.50 to 30.00 m	1	22.50	0.90		20.25			
	CH: 30.00 to 60.00 m	1	30.00	0.90		27.00			
	CH: 60.00 to 90.00 m	1	30.00	0.90		27.00			
	CH: 90.00 to 120.00 m	1	30.00	0.90		27.00			
	CH: 120.00 to 150.00 m	1	30.00	0.90		27.00			
	CH: 150.00 to 174.30 m	1	24.30	0.90		21.87			
	Deduct Culvert	-1	6.00	0.90		-5.40			
	Road 1 RHS								
	CH: 0.00 to 30.00 m	1	30.00	0.90		27.00			
	CH: 30.00 to 60.00 m	1	30.00	0.90		27.00			
	CH: 60.00 to 90.00 m	1	30.00	0.90		27.00			
	CH: 90.00 to 120.00 m	1	30.00	0.90		27.00			
	CH: 120.00 to 150.00 m	1	30.00	0.90		27.00			
	CH: 150.00 to 174.30 m	1	24.30	0.90		21.87			
	Road 2 LHS								
	CH: 0.00 to 30.00 m	1	30.00	0.90		27.00			
	CH: 30.00 to 60.00 m	1	30.00	0.90		27.00			
	CH: 60.00 to 90.00 m	1	30.00	0.90		27.00			
	CH: 90.00 to 120.00 m	1	30.00	0.90		27.00			
	CH: 120.00 to 150.00 m	1	30.00	0.90		27.00			
	CH: 150.00 to 167.50	1	17.50	0.90		15.75			
	Road 2 RHS								
	CH: 0.00 to 30.00	1	30.00	0.90		27.00			
	CH: 30.00 to 60.00 m	1	30.00	0.90		27.00			
	CH: 60.00 to 90.00 m	1	30.00	0.90		27.00			
	CH: 90.00 to 120.00 m	1	30.00	0.90		27.00			
	CH: 120.00 to 150.00 m	1	30.00	0.90		27.00			
	CH: 150.00 to 165.50 m	1	16.50	0.90		14.85			
	Road 3 LHS								
	CH: 0.00 to 30.00 m	1	30.00	0.90		27.00			
	CH: 30.00 to 60.00 m	1	30.00	0.90		27.00			
	CH: 60.00 to 90.00 m	1	30.00	0.90		27.00			
	CH: 90.00 to 120.00 m	1	30.00	0.90		27.00			
	CH: 120.00 to 133.00 m	1	13.00	0.90		11.70			
	Road 3 RHS								
	CH: 0.00 to 30.00 m	1	30.00	0.90		27.00			
	CH: 30.00 to 60.00 m	1	30.00	0.90		27.00			
	CH: 60.00 to 90.00 m	1	30.00	0.90		27.00			
	CH: 90.00 to 120.00 m	1	30.00	0.90		27.00			
	CH: 120.00 to 133.00 m	1	13.00	0.90		11.70			

10/08/2022

SHRIYA CONSTRUCTION AND CONSULTANCY

	Narayana Gowda Layout Betthallli LHS								
	CH: 0.00 to 30.00 m		2	30.00	0.90		54.00		
	CH: 30.00 to 40.00 m		2	10.00	0.90		18.00		
	Narayana Gowda Layout Betthallli RHS								
	CH: 0.00 to 30.00 m		2	30.00	0.90		54.00		
	CH: 30.00 to 40.00 m		2	10.00	0.90		18.00		
						Previous Bill Quantity	1209.87		
						Total present bill Quantity	992.16		
						Schedule B Quantity	2191.50		
						Reserved Quantity	0.00		
						Quantity to be Claimed in this Bill	992.16	SQM	1941.22	1926000.84

Contractor

Assistant Engineer

Asst. Executive Engineer

RMC SHRIYA CONSTRUCTION AND CONSULTANCY

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
12	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.								
	Culverts								
	Layout Near Basavalingappa Nagara								
	Road 1 LHS								
	CH: 89.00 to 95.00 m	1	6.00		1.20	7.20			
					Previous Bill Quantity	196.86			
					Total present bill Quantity	7.20			
					Schedule B Quantity	219.60			
					Reserved Quantity	0.00			
					Quantity to be Claimed in this Bill	7.20	SQM	4530.86	32622.19

Halappa.C.
Contractor

RMC SHRIYA CONSULTANCY AND CONSTRUCTION

Assistant Engineer

Asst. Executive Engineer

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Measurement Recorded On: Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
19	Providing and laying Bituminous concrete , using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision - using 40-60 TPH capacity HMP with mechanical paver grading II (30-40mm) with 5.4% of VG-30 bitumen								
	Chennamma Narayanappa Layout								
	Main Road								
	CH: 134.00 to 164.00 m	1	30.00	6.00 + 7.00 / 2	0.04	7.80			
	CH: 164.00 to 194.00 m	1	30.00	7.00 + 6.80 / 2	0.04	8.28			
	Vaderahalli Road								
	CH: 00.00 to 30.00 m	1	30.00	5.30 + 5.40 / 2	0.04	6.42			
	CH: 30.00 to 60.00 m	1	30.00	5.40 + 4.30 / 2	0.04	5.82			
	CH: 60.00 to 90.00 m	1	30.00	4.30 + 6.20 / 2	0.04	6.30			
	CH: 90.00 to 120.00 m	1	30.00	6.20 + 6.00 / 2	0.04	7.32			
	CH: 120.00 to 150.0 m	1	30.00	6.00 + 6.70 / 2	0.04	7.62			
	CH: 150.00 to 180.0 m	1	30.00	6.70 + 10.00 / 2	0.04	10.02			
	CH: 180.00 to 200.0 m	1	20.00	10.00 + 7.00 / 2	0.04	6.80			
	CH: 200.00 to 230.00 m	1	30.00	7.00 + 7.00 / 2	0.04	8.40			
	CH: 230.00 to 260.00 m	1	30.00	7.00 + 6.40 / 2	0.04	8.04			
	CH: 260.00 to 290.00 m	1	30.00	6.40 + 6.00 / 2	0.04	7.44			
	CH: 290.00 to 320.00 m	1	30.00	6.00 + 5.30 / 2	0.04	6.96			
	CH: 320.00 to 333.00 m	1	13.00	5.30 + 6.80 / 2	0.04	3.15			
	CH: 330.00 to 360.00 m	1	30.00	6.80 + 7.30 / 2	0.04	8.66			
	CH: 360.00 to 390.00 m	1	30.00	7.30 + 7.50 / 2	0.04	8.88			
	CH: 390.00 to 402.00 m	1	12.00	7.50 + 8.60 / 2	0.04	3.86			
	CH: 402.00 to 406.00	1	4.00	8.70 + 8.70 / 2	0.04	1.39			
	CH: 406.00 to 418.20	1	12.20	6.50 + 6.50 / 2	0.04	3.20			
	Deduct Drain	1	10.00	0.75 + 0.75 / 2	0.04	-0.30			
	Kempanahalli Main Road								
	CH: 00.00 to 30.00 m	1	30.00	25.40 + 11.30 / 2	0.04	22.02			
	CH: 30.00 to 38.00m	1	8.00	11.30 + 10.80 / 2	0.04	3.54			
	CH: 38.00 to 60.00 m	1	22.00	8.90 + 8.50 / 2	0.04	7.66			
	CH: 60.00 to 90.00 m	1	30.00	8.50 + 8.20 / 2	0.04	10.02			
	CH: 90.00 to 120.00 m	1	30.00	8.20 + 8.00 / 2	0.04	9.72			
	CH: 120.00 to 150.00 m	1	30.00	8.00 + 8.20 / 2	0.04	9.72			
	CH: 150.00 to 180.00 m	1	30.00	8.20 + 7.45 / 2	0.04	9.39			

SHIVA CONSTRUCTION AND CONSULTANCY

	CH: 00.00 to 30.00 m	1	30.00	11.50	+	14.40	0.04	15.54			
					2						
	CH: 30.00 to 60.00 m	1	30.00	14.40	+	14.30	0.04	17.22			
					2						
	CH: 60.00 to 71.00 m	1	21.00	14.30	+	14.20	0.04	11.97			
					2						
							Previous Bill Quantity	362.45			
							Total present bill Quantity	664.83			
							Schedule B Quantity	705.56			
							Reserved Quantity	0.00			
							Quantity to be Claimed in this Bill	664.83	CUM	8534.82	5674209.92

Contractor

PMC

SHRIYA CONSULTANCY AND CONSTRUCTION

Assistant Engineer

Asst. Executive Engineer

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Measurement Recorded On: Detailed Measurements

Item No	Discription of Item	No	Length	Breadth			Depth	Qty	Unit	Rate	Amount
20	KSRRB M800-13, Road Marking with Hot Applied Thermoplastic Compound with										
	Chennamma Narayanappa Layout										
	Main Road										
	CH: 00.00 to 27.00 m	2.5	27.00	0.10	+	0.10 / 2		6.75			
	CH: 27.00 to 35.00 m	2.5	8.00	0.10	+	0.10 / 2		2.00			
	CH: 35.00 to 54.70 m	2.5	19.70	0.10	+	0.10 / 2		4.93			
	CH: 54.70 to 75.00 m	2.5	20.30	0.10	+	0.10 / 2		5.08			
	CH: 75.00 to 88.00 m	2.5	13.00	0.10	+	0.10 / 2		3.25			
	CH: 88.00 to 104.00 m	2.5	16.00	0.10	+	0.10 / 2		4.00			
	CH: 104.00 to 134.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	CH: 200.00 to 230.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	CH: 230.00 to 260.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	CH: 260.00 to 290.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	CH: 290.00 to 320.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	CH: 320.00 to 333.00 m	2.5	13.00	0.10	+	0.10 / 2		3.25			
	CH: 330.00 to 360.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	CH: 360.00 to 390.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	CH: 390.00 to 420.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	CH: 420.00 to 445.00 m	2.5	25.00	0.10	+	0.10 / 2		6.25			
	CH: 445.00 to 470.00 m	2.5	25.00	0.10	+	0.10 / 2		6.25			
	Apartment Road										
	CH: 00.00 to 30.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	CH: 30.00 to 60.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	CH: 60.00 to 90.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	CH: 90.00 to 120.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	Approach Road LHS										
	CH: 00.00 to 24.40 m	2.5	24.40	0.10	+	0.10 / 2		6.10			
	Approach Road RHS										
	CH: 00.00 to 16.20 m	2.5	16.20	0.10	+	0.10 / 2		4.05			
	From Apartment Road to Kaveri Layout (Next to Drain)										
	CH: 00.00 to 30.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	CH: 30.00 to 60.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	CH: 60.00 to 83.00 m	2.5	23.00	0.10	+	0.10 / 2		5.75			
	Policeman Road (Next to Kaveri Layout)										
	CH: 00.00 to 30.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			
	CH: 30.00 to 60.00 m	2.5	30.00	0.10	+	0.10 / 2		7.50			

CONSULTANCY * SHRIYA CONSTRUCTION AND

	CH: 450.00 to 480.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 480.00 to 510.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 510.00 to 540.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 540.00 to 570.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 570.00 to 600.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 600.00 to 630.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 630.00 to 660.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 660.00 to 690.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 690.00 to 720.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 720.00 to 750.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 750.00 to 780.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 780.00 to 810.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 810.00 to 840.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 840.00 to 852.00 m	2.5	12.00	0.10 + 0.10 / 2			3.00				
	CH: 852.00 to 879.50 m	2.5	27.50	0.10 + 0.10 / 2			6.88				
	Cross Road 1										
	CH: 00.00 to 30.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 30.00 to 60.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 60.00 to 90.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 90.00 to 120.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 120.00 to 150.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 150.00 to 180.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 180.00 to 210.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 210.00 to 240.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 240.00 to 270.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 270.00 to 271.00 m	2.5	1.00	0.10 + 0.10 / 2			0.25				
	Cross Road 2										
	CH: 00.00 to 15.00 m	2.5	15.00	0.10 + 0.10 / 2			3.75				
	CH: 15.00 to 30.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				
	CH: 30.00 to 40.10 m	2.5	10.10	0.10 + 0.10 / 2			2.53				
	Cross Road 3										
	CH: 00.00 to 30.00 m	2.5	30.00	0.10 + 0.10 / 2			7.50				

SHRIYA CONSULTANCY AND CONSTRUCTION

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	CH: 30.00 to 60.00 m	2.5	30.00	0.10	+ 2	0.10		7.50			
	CH: 60.00 to 71.00 m	2.5	21.00	0.10	+ 2	0.10		5.25			
							Previous Bill Quantity	0.00			
							Total present bill Quantity	1042.90			
							Schedule B Quantity	1890.75			
							Reserved Quantity	0.00			
							Quantity to be Claimed in this Bill	1042.90	Sqm	459.29	478990.83

Contractor PMC Assistant Engineer Asst. Executive Engineer

SHRIYA CONSTRUCTION AND CONSULTANCY

Name of Work :-Restoration and Improvements of Channamma and Narayanappa layout, Narayanagowda layout, Basavalingappa layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-11)

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
EIRL -2	Providing and fixing RCC precast cover slab of 150mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.								
	Vadarahalli Main Road					Previous Qunatity			0.00
	CH: 190.90 to 207.00 m	1	16.10		0.90	14.49			
	CH: 207.00 to 230.00m	1	23.00		0.90	20.70			
	CH: 230.00 to 240.00 m	1	10.00		0.90	9.00			
	CH: 240.00 to 250.00 m	1	10.00		0.90	9.00			
	CH: 250.00 to 257.00 m	1	7.00		0.90	6.30			
	CH: 264.00 to 294.00 m	1	30.00		0.90	27.00			
	CH: 294.00 to 307.00 m	1	18.00		0.90	16.20			
	CH: 314.00 to 328.00 m	1	14.00		0.90	12.60			
	CH: 328.00 to 358.00 m	1	30.00		0.90	27.00			
	CH: 358.00 to 378.5 m	1	20.50		0.90	18.45			
	CH: 384.00 to 402.5 m	1	18.50		0.90	16.65			
	Previous Bill Quantity					0.00			
	Total present bill Quantity					177.39			
	Schedule B Quantity					0.00			
	Reserved Quantity					0.00			
	Quantity to be Claimed in this Bill					177.39	SQM	2493.00	442233.27
								Civil Works Amount	37271244.00
								12% GST	4472549.00
								Total	41743793.00

Halappa C.
Contractor

PMC SHRIYA CONSTRUCTION AND CONSULTANCY

Assistant Engineer

Asst. Executive Engineer